Title: Point Of Sale Adapter For Electronic Transaction Device

Applicants: Satyan G. Pitroda, et al.

Serial No.: 09/440,529 Confirmation No.: 3076 Filed: November 15, 1999 Art Unit No.: 2827 Attorney Docket No.: 2683/76979 Examiner: M. Tremblay

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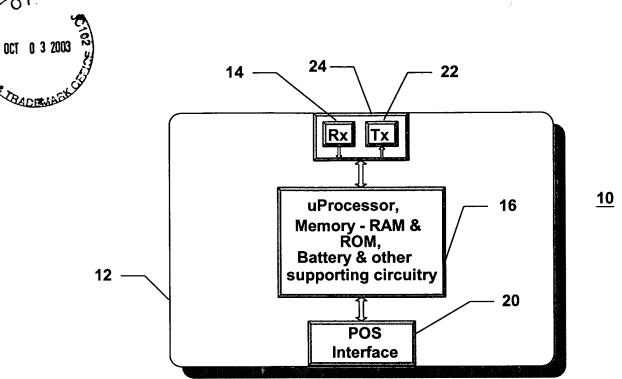


FIG. 1

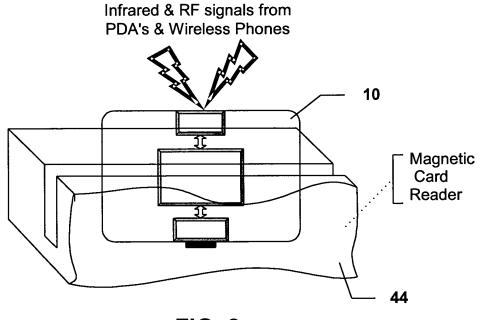


FIG. 2

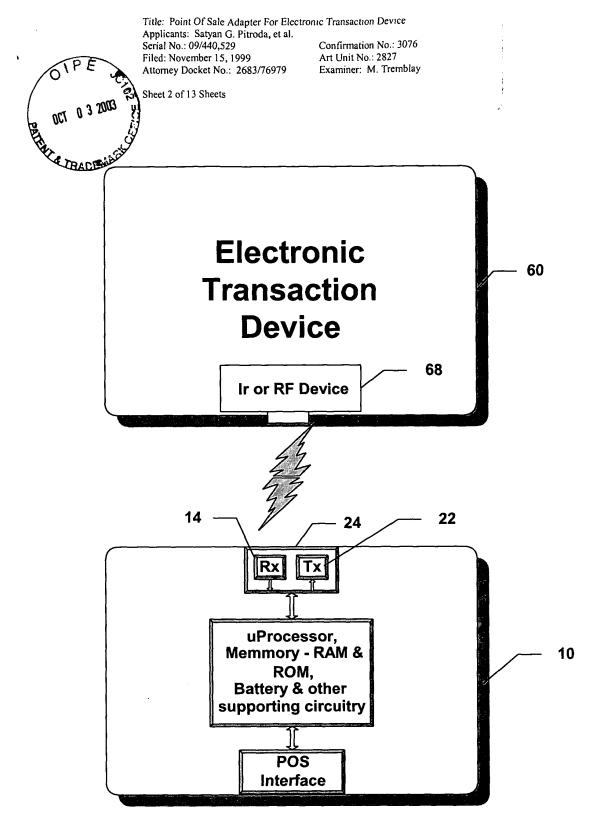


FIG. 3

Title: Point Of Sale Adapter For Electronic Transaction Device Applicants: Satyan G. Pitroda, et al.

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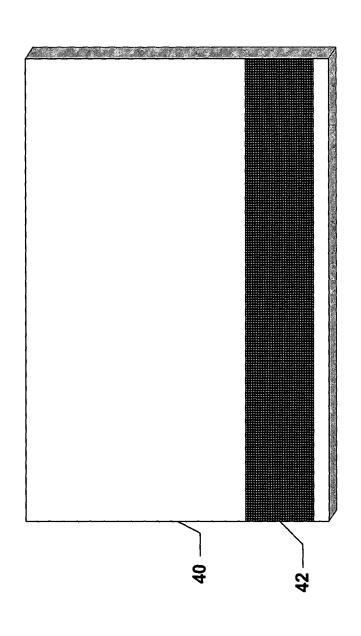
Filed: November 15, 1999 Art Unit No.: 2827

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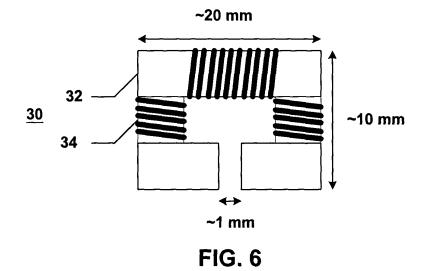
Confirmation No.: 3076 Art Unit No.: 2827 Examiner: M. Tremblay

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Title: Point Of Sale Adapter For Electronic Transaction Device Applicants: Satyan G. Pitroda, et al. Serial No.: 09/440,529 Confirmation No.: 3076 Filed: November 15, 1999 Art Unit No.: 2827 Attorney Docket No.: 2683/76979 Examiner: M. Tremblay Sheet 4 of 13 Sheets OCT 0 3 2003 THE TRADESIALS 44 40 107071700071700707070 42 101011100011100101010 FIG. 5

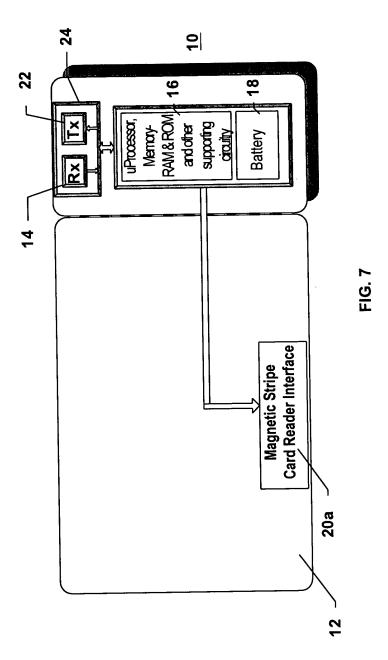


Title: Point Of Sale Adapter For Electronic Transaction Device Applicants: Satyan G. Pitroda, et al.
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Title: Point Of Sale Adapter For Electronic Transaction Device Applicants: Satyan G. Pitroda, et al.

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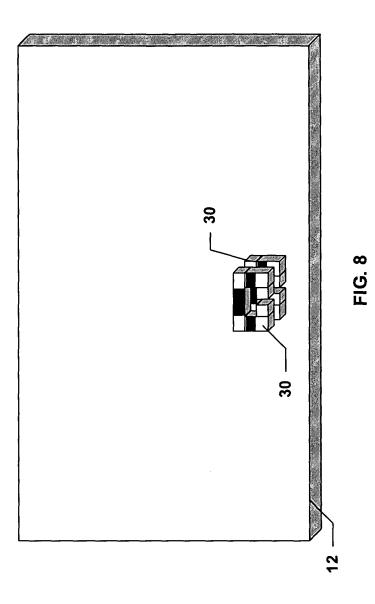
Confirmation No.: 3076 Art Unit No.: 2827 Examiner: M. Tremblay Filed: November 15, 1999 Attorney Docket No.: 2683/76979

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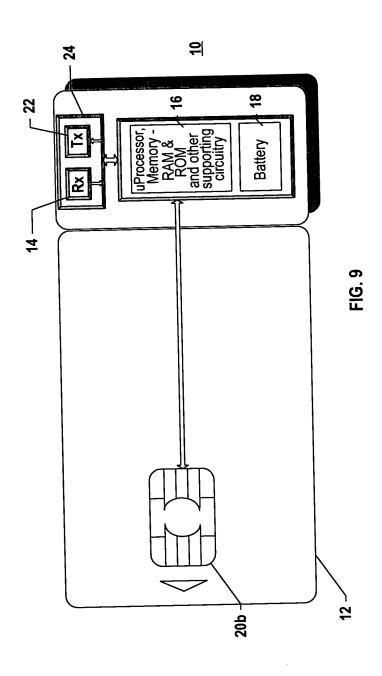
Title: Point Of Sale Adapter For Electronic Transaction Device Applicants: Satyan G. Pitroda, et al. Serial No.: 09/440,529 Confirmation No.: 30

Filed: November 15, 1999 Attorney Docket No.: 2683/76979

Confirmation No.: 3076 Art Unit No.: 2827 Examiner: M. Tremblay



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Title: Point Of Sale Adapter For Electronic Transaction Device Applicants: Satyan G. Pitroda, et al.

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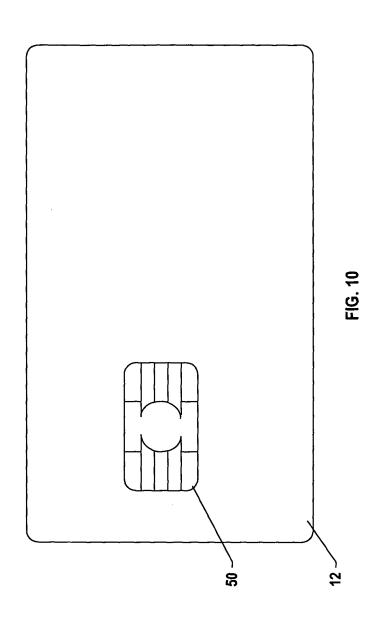
Filed: November 15, 1999 Art Unit No.: 2827

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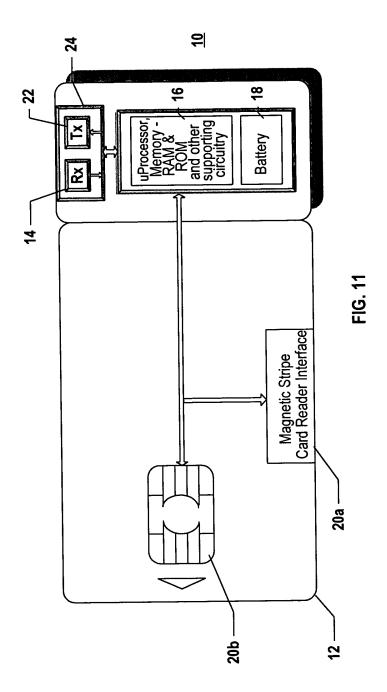
Confirmation No.: 30'

Filed: November 15, 1999 Attorney Docket No.: 2683/76979

Confirmation No.: 3076 Art Unit No.: 2827 Examiner: M. Tremblay



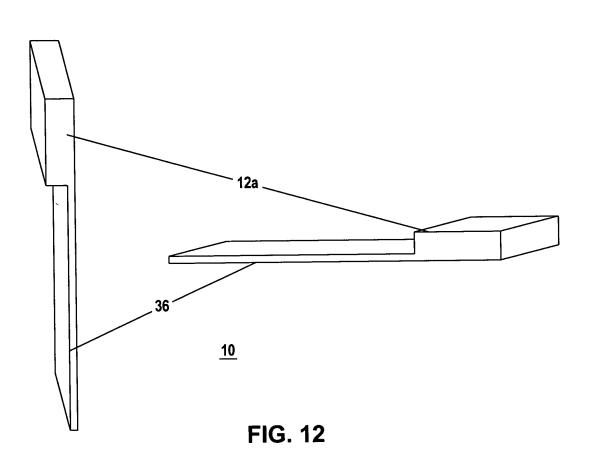




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Art Unit No.: 2827 Filed: November 15, 1999 Examiner: M. Tremblay Attorney Docket No.: 2683/76979 Sheet 11 of 13 Sheets Select Card (alternately data set to be transmitted through the 80 0 3 2003 Adapter) on Electronic Transaction Device (ETD) PADRAIAB 82 Place Adapter in Reader 84 Transmit data from the ETD to the Adapter (through Ir, RF, Metallic Contact, Bar Code, etc.) Adapter translates data into a format readable by the readers at the POS (Magnetic Card stripe or Smart Card I/O emulation) 86 Reader at POS sends data on existing transaction verification network 90 92 **Transaction Request** Transaction Authorized? Rejected Yes 94 Magnetic Card Scenario Smart Card Scenario Bi-directional data flow Paper receipt Paper receipt ₋Yes possible through POS Reader? generated at POS generated at POS 100 96 Transaction receipt also stored Receipt signed and transaction successfully completed in ETD through the Adapter - 102 98 Receipt signed and transaction successfully completed FIG. 13 104

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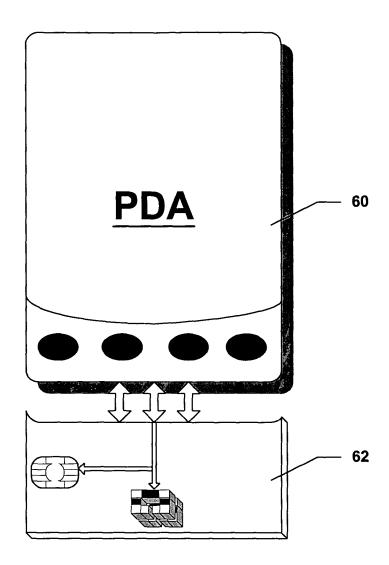


FIG. 14

